SOLOMESHCH, I.A. (Petrozavodsk)

Eigenvalues of certain degenerating elliptic equations. Mat. sbor. 54 no.31295-310 Jl '61. (MIRA 14:8)

(Eigenvalues) (Differential equations)

SOLOMESHCH, I.A.

Asymptotic behavior of the eigenvalues of bilinear forms related to some elliptic equations which degenerate at the boundary.

Dokl.AN SSSR 144 no.4:727-729 Je '62. (MIRA 15:5)

1. Predstavleno akademikom V.I.Smirnovym.
(Differential equations) (Forms, Bilinear)

IJP(c) 8/0124/65/000/003/A010/A010 L 43734-65 EVIT(d)ACCESSION NR: AR5009480 SOURCE: Ref. zh. Mekhanika, Abs. 3A81 AUTHOR: Mosyagin, V.V.; Solomeshch, M.A. TITLE: The dynamics of rectilinear motion of a variable mass point CITED SOURCE: Uch. zap. Petrozavodskogo un-ta, v. 11, no. 5, 1963 (1964), 56-59 TOPIC TAGS: variable mass point, rectilinear motion calculation, Meshcherskiy TRANSLATION: A relativistic generalization of Meshcherskiy's equation (1) where  $a = [1-(v^2/c^2)]^{-1/2}$  and F is the external force was derived for the rectilinear motion of a variable mass point. The author considers special cases, in which the equations are reduced to the quadratures: M. I. Yefinov. Card 1/2

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T. 57503-65. J.WT(d).	/ENP(w)/Ena(d) EM			
CCESSION NR. AP501	4096	UR/0055/65/000/003/00/ 539•3	70/0076 12	
AUTHOR: Solomeshch,	H. A.		B	
TITLE: An inequalit	y in plastic flow theory	16		
SOURCE: Moscow. Uni 20-76	versitet. Vestnik. Seriya 1	l. Matematika, mekhani	ca, no. 3, 1965	
OPIC TAGS: plastic	eity		-	
	or shows that for a flow law	w which is associative	with the von	
fises load function of this law if the function. Theorem:	the inequality expressing tangent modulus is nonincrease. If on each of the given leaves elastic deformation to wrists a continuous derivation.	D. C. Drucker's postu sing. Let h(T) be the oad paths <sup>C</sup> (t) and <sup>C</sup> plastic is finite an	late is a resulting strengthening [1,(t) the	•
fises load function of this law if the function. Theorem:	the inequality expressing tangent modulus is nonincreal. If on each of the given left on elastic deformation to	D. C. Drucker's postu sing. Let h(T) be the oad paths <sup>C</sup> (t) and <sup>C</sup> plastic is finite an	late is a resulting strengthening [1,(t) the	•
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holds for any to >0. He gives a	n example of non-satisfa	ction of this po	tulate	
with increasing tangent modulus.	Origo art. has 3 figur	es and 15 formula	u.	
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SOLOMIKIN, O.P. [Solomykin, O.P.]; ARAV, Ya.I.

The improved "Khersonets' harvester. Makh. sil'. hosp. 13 no.8:4-5 Ag '62. (MIRA 15:7)

1. Glavnyy konstruktor Khersonskogo kombaynovogo zavoda im. Petrovskogo (for Solomikin). 2. Nachal'nik spetsial'nogo konstruktorskogo byuro Khersonskogo kombaynovogo zavoda im. Petrovskogo (for Arav).

(Harvesting machinery) (Corn (Maize))

SOLOMIN, A.F., inzhener.

Mechanized unleading of side-leading trucks in the Saratov Read Machinery Station Ne.43. Avt.der.18 ne.7:14 N 155. (MIRA 9:4) (Saratov-Loading and unleading)

THE PERSON OF TH

SOLOMIH, A.F., inzhener.

Efficient method for using scrapers and graders together. Avt. dor. 19 no.1:24 Ja '56. (MIRA 9:5)

(Road machinery)

SoloMIE, A.F., inshener.

Soil-gravel mix. Avt.dor.19 no.3:28 Mr 156. (MLRA 9:7)

(Reed materials)

THE PARTY OF THE P

SOLOMIN, A.F., inwhener.

Improve the erganizational structure of read machinery stations.

(MIRA 9:10)

Avt.der.19 ne.8:27-28 Ag 56.

(Read machinery)

SOLOMIN install Petrov-Semichev, Yu.A., redsktor; KOGAN, F.L., tekhnicheskiy redsktor

[Work practices of the Saratov road machinery station] Opyt reboty
Saratovskoi mashinodorozhnoi stantsii. Moskva, Hauchno-tekhn.izdvo avtotrensp.lit-ry, 1957. 56 p.

(Saratov region—Road construction)

ORYUMBUNG, Aleksandr Ivenovich; Solomin; Anatoliv Redorovich; Malinovskir,
I.I., red.; Malikova, N.V., tekhn.red.

[[Economic accountability in road machinery stations] Khozisistvennyi raschet mashinodorozhnoi stantsii. Moskva, Neuchno-tekhn.tzd-vo avtotransp. lit-ry, 1957. 90 p. (MIRA 11:4)

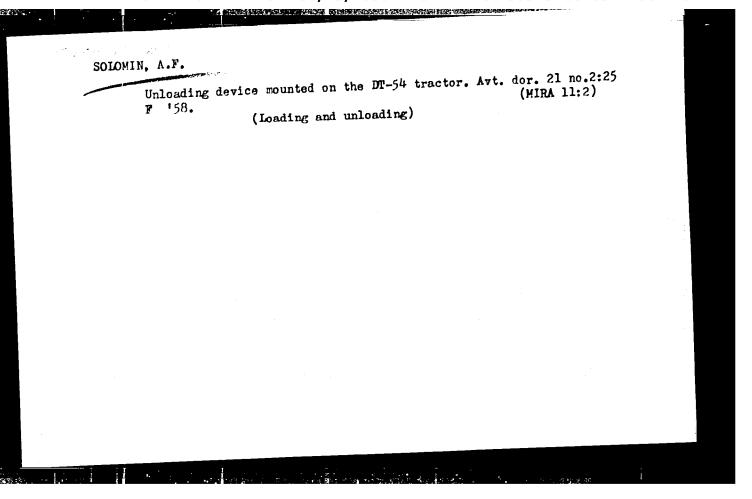
(Road construction-Accounting)

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The state of the same of the s

DMITRITEV, A.D.; SOLOMIN, A.F.; MESHCHERYAKOV, L.I.

Moving a frame-type reinforced concrete bridge. Avt. dor. 21
(MIRA 11:2)
no.2:14 F '58.
(Bridges, Concrete)



BURLAY, P.F.; GENRITSY, G.Ye.; SOLOMIN, A.F.; SLAVUTSKIY, A.K., kand. tekhn. nauk, retsenzent; ANDRYEV, O.V., kand. tekhn. nauk, retsenzent; ALEKSEYEV, A.P., inzh., red. [Reference book for workers in the construction of rural roads] Spravochnoe posobie stroiteliu sel'skikh dorog.

Moskva, Izd-vo "Transport," 1964. 331 p. (MIRA 17:5)

GALKIN, Mikhail Fedorovich; SOLOVIN, Anatoliy Nikolayevich; SANDOMIRSKIY,
Mark Moiseyevich; SHAKHOV, Mikhail Alekseyevich; ZHERMUNSKAYA,
L.B., inzh., red.; FREGER, D.P., red.izd-va; BELOGUROVA, 1.A.,
tekhn. red.

[Nickel-free 5KhGV steel for forging dies] Beznikelevaia stal'
5KhGV dlia shtempov pri goriachei shtempovke. Leningrad, 1961.
14 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen
15 peredovym opytom. Seriia: Metallovedenie i termicheskaia obrabotka, no.7)
(Steel alloys-Testing) (Dies (Metalworking))

SHCHERBAKOV, K.F., kand.tekhn.nauk; SOLOMIN, A.N., aspirant

Problems of threshing sunflowers and deseeding castor-oil plants.

Trakt. 1:el'khozmash. no.ll:15-17 N 164. (MIRA 18:1)

Rostovskiy institut seliskokhozyaystvennogo mashinostroyeniya.

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in structure in the control of the c

SOLOMIN, A.N.

Studying the process of the feeding of the plant mass to rotary receiving units. Trakt. i sel'khozmash. no.7:24-25 Jl '65.

1. Rostovskiy institut sel'skokhozyaystvennogo mashinostroyeniya.

SOLOMIN, A. H.

SOLOMIN, A. H.

Treatment of snake bite with novocaine block and oil balsam

Treatment of snake bites, size 24 no.2:63-66 '53. (MERA 7:7)

antiseptics. Trudy AME SSSR 24 no.2:63-66 '53. (MERA 7:7)

sprocaine nerve block with oil balsam antiseptics)

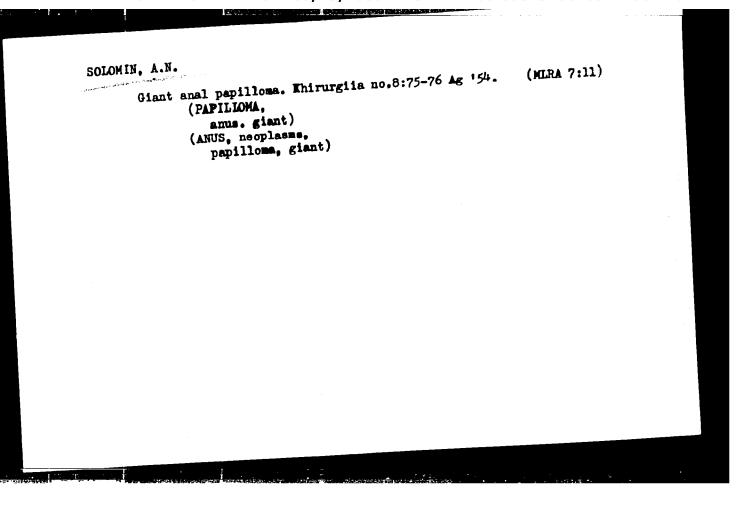
(PROCAINE, therapsutic use,

\*nake bites, nerve block with oil balsam antiseptics)

(ANESTHESIA, REGIONAL, in various diseases,

\*herre block, procaine, in snake bite, with oil balsam

antiseptics)



DEGTYAREV, P.D.; SOLOMIN, A.N. (Rostov-na-Donu)

Trensthoracic approach to the upper thoracic sympathetic genglia.

Vop., neirokhir. 21 no.5:43-44 N-D '57. (MIRA 11:2)

(IMENOUS SYSTEM, SYMPATHETIC-SURGERY)

(CHEST-SURGERY)

SOIGNIL MAN (Reatov-na-Donu)

Treatment of nerve trunks in amputation. Eksp. khir. 3 no.6:50 N-D '58.

(NERVES--SURGERY) (AMPUTATION)

(MIRA 12:1)

SOLOWIN, A.N., kand.med.neuk

Treatment of phantom pains with intravenous novocaine. Sov.med.
22 no.3:119-123 Hr '58. (NIRA 11:4)

(PHANTOM LIMB.

pain, ther., procaine, intravenous admin. (Rus))

(PROCAINE, ther. use

pain in panthom limb, intravenous admin. (Rus))

Penetrating knife wound of the skull and brain. Kaz.med.zhur.
no.3:90 My-Je '63. (MIRA 16:9)
(SKULL-WOUNDS AND INJURIES)
(BRAIN-WOUNDS AND INJURIES)

Sign 18. A.S., Rangement of the Art Art Art Art Art and the section of the acceptance of the anterior parational sections of the skull. Yop, neirokhir. 28 no.6547 Not 164.

(MIRA 18:4)

SOLOMIN, F.N., podpolkovník meditsinskoy sluzhby, kand. med. nauk

Rare case of combined injury to the anterior parabasal regions of the skull and brain. Voen.-med. zhur. no.6:60-61 \*64. (MIRA 18:5)

SOLOMIN, N.V., doktor tekhn. mauk; SOLOMIN, A.N.

Inelastic deformation of glass and ceramic products under their own weight during annealing. Stek. i ker. 22 no.8:19-21 Ag '65. (MIRA 18:9)

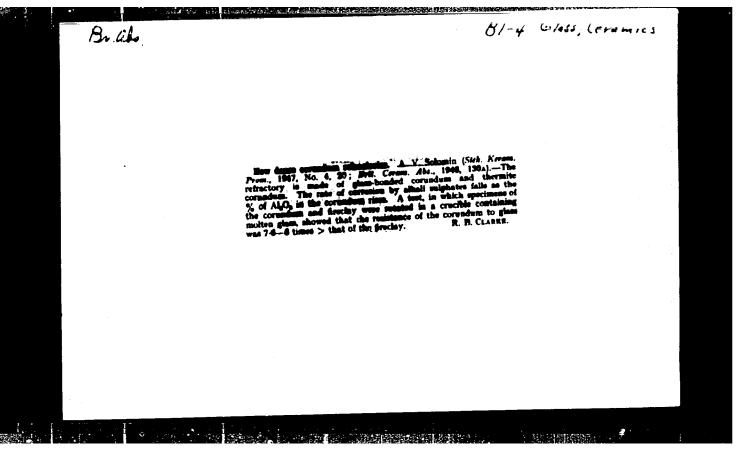
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i.	-1 +	<b>D</b> .	SOLOMIN

- 2. USSR (600)
- 4. Hee Culture
- 7. Good method of observing how bees are wintering. Pchelovodstvo 29 no. 12. 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



Scholbity, J.V., professor; GCLubev, P.G.; Schollin, J.V.

Evdrogenation of cottonseed oil with Cu-hi catalyst in a carrying agent. Hasl.-nhir. from. 12 no.3.6-3 Ag '50. (MERA 10:0)

1. Malachskiy goodlerstventyy universited inoni J. Mirota. (Cottonseed oil) (Apdrovenation)

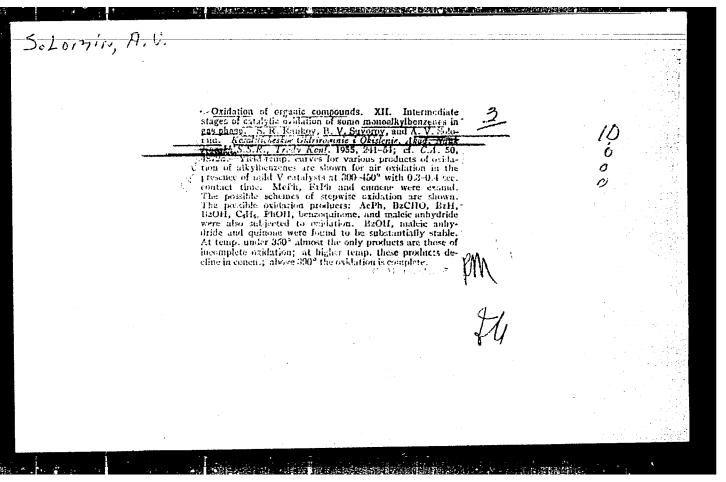
NAZARENKO, M.F.; SVIRIDENKO, V.A.; SOLOMIN, A.V.

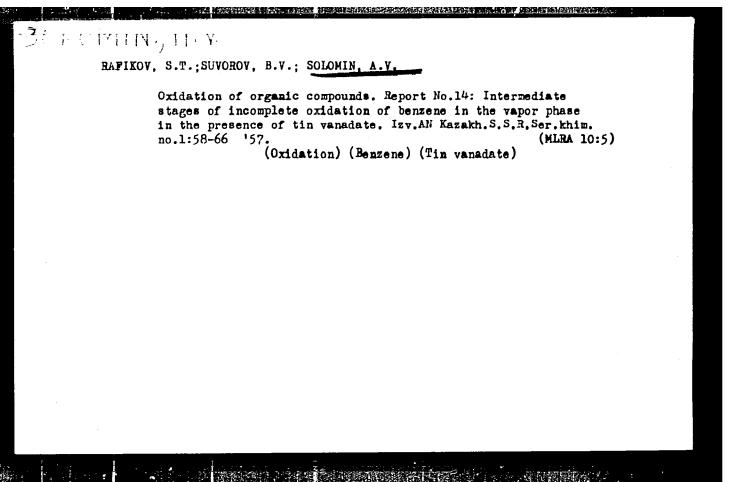
Use of the PMT-3 microdurometer to determine the caking ability of ceramic bodies. Izv.AN Kazakh. SSR Ser.gor.dela. met. i streimat. no.2:30-33 '54. (NIRA 9:6)

(Ceramic materials--Testing) (Hardness)

SHOPEIN, A. V.

- SOLDMIN, A. V.- "On the inte mediate stoges in vapor-phase exiderion of more alkyl benzenes on lead variable". Alma-Ata, 1955. Acad Sci Kazakh J.R. Inst of Chemical Sciences. (Dissertation for the Degree of Candidate of Chemical Sciences,)
- So: Knizhnava wetopis! No. 46, 12 November 1955. Moscow





32-8-49/61 Solomin, A.V. Kazakova, N.D., **AUTHORS** Cutsalyuk, V.G. A Device for the Determination of the Paraffin Content TITLE in Mineral Oil and in Mineral Oil Products. (Pribor dlya opredeleniya parafinov v neftyakh i nefteproduktakh.) Zavodskaya Laboratoriya 1957, Vol. 23, Nr 8, pp.996-996 PERIODICAL (USSR) The device described in this paper serves the purpose of ABSTRACT the quantitative determination of solid paraffin hydrocarbons which are separated by freezing out. The device consists of a molybdenum glass container of about 500 ml content. The container is conically shaped (towards its bottom) and has an opening at the bottom which is firmly sealed by means of a stopper made out of the same type of glass. This stopper is provided with a handle which extends throughout the entire container right to the top and to the outside. The container is placed upon a fun-

CARD 1/2

nel adapted for this purpose which has a filter and is firmly mounted on the bottom of the cooling vessel. The mineral oil or mineral oil product to be investigated is

poured into the vessel and is exposed to freezing temperature.

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1 Device for the Determination of the Paraffin Content in Mineral 311 32-8-49/61 and in Mineral Oil Products.

> By pulling out the stoppe (by the handle) the bottom of the container is opened and the liquid passes through the funnel into the collecting vessel, which is located below the bottom of the cooling vessel. The frozen particles are held back by the filter. By washing out the container also such particles as still adhere to the walls are directed into the filter, and the whole system is cleaned. The collecting vessel below the cooling vessel is then exchanged and the funnel is washed out with hot benzol. In this way the particles frozen in on the filter are liberated and are led into the benzol solution in the exchanged collecting vessel. By destillation of the solution benzol is removed and the remaining paraffin is weighed. There is 1 figure and

ASSOCIATION:

Institute of the Academy of Sciences of the Kazakh SSR

(Institut khimicheskikh nauk Agacemii nauk Ka2 SSR)

AVAILABLE:

Library of Congress.

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PA - 3126

On wapor Phase Oxidation of Styrene and  $\alpha$ -Methylstyrebe on Tin Vanadate.

temperatures does not surpass 1,25 mol per mol of the oxidized parbon. This points to the fact that the low-molecular-products chiefly occur at the cost of the burning away of the lateral groups. The results obtained give rise to the assumption that the oxidation of the styrene and the amethylstyrene in the vapour phase with tin vanadate in the primary phases takes place in the same direction as the oxidation in the condensation-phase with or without catalyzers. In the case of styrene a thermal decay with formation of benzaldehyde and formaldehyde is probable, and in the case of methylstwyrene a thermal decay with formation of acetophenone and formaldehyde. Experimental results confirm this assumption. At higher temperatures no acetophone or benzaldehyde could be detected in the reaction-products.

(2 tables and 3 citations from Slavio publications.)

ASSOCIATION: Institute for Chemical Science of the Academy of Science of

the Kasakstan SSR.

PRESENTED BY: Arbuzov B.A., 3.10. 1956.

SUBMITTED: 29.9. 1956.

AVAILABLE: Library of Congress.

CARD 2/2

SOLOMIN, A V

AUTHORS: Solomin, A. V., Suvorov, B. V., Rafikov, S.R.

79-1-28/63

TITLE:

The Oxidation of Organic Compounds (Okisleniye organicheskikh soyedineniy). XV. On the Oxidation of Ethyl Benzene in the Vapor-Phase State Over Tin Vanadate (XV. O parofaznom okislenii etilbenzola na vanadate olova).

PERIODICAL:

Zhurnal Obshchey Khimii, 1958. Vol. 28, Nr 1, pp. 135-138 (USSR).

ABSTRACT:

The oxidation of alkyl benzenes with a secondary x-carbon atom in the vapor-phase state had not been sufficiently investigated. Only one paper had been published on this subject in which it is pointed out that on passage of ethylbenzene vapors in a mixture with air only benzoic acid is formed. The yield at 270-280° C amounted to 4%. The aim of the present paper was an exact investigation of the fundamental rules governing this reaction, special attention in the oxidation being paid to the intermediate and final products. Some of the intermediate products were oxidized under equal conditions. The obtained experimental results show that the vapor-phase oxidation of ethylbenzene with air takes a very complicated course and according to the prevailing conditions leads to

Card 1/3

The Oxidation of Organic Compounds, XV. On the Oxidation of Ethyl Benzene in the Vapor-Phase State Over Tim Vanadate.

79-1-20/93

the formation of different oxygen-containing compounds. Thus the authors beside benzoic soid also found benzaldshyde, acetophenone, quinone, maleic anhydride, CO and CO, and quantion tatively determined their amounts. The dependence of the yield of some of the enumerated reaction products on temperature is represented in diagram. 1. A scheme of the fundamental direction of the vapor-phase oxidation of ethylbonzene over tin vanadate was suggested which is based on the data of the peroxide theory and on the theory of the radical-chain processes. The assumption was uttered that the oxidation of ethylbenzene might simultaneously proceed in several parallel directions, in main as well as in side directions. Each of those represents a multistage process of a gradual decomposition of the carbon skeleton, with a subsequent formation of a large number of by-products. The final stage of each of these directions consists of the formation of products of the completed oxidation. There are 5 figures and 12 references, 10 of which are Slavic.

ASSOCIATION: Card 2/3 Institute for Chemical Sciences AN Kazakh SSR (Institut khimicheskikh nauk Akademii nauk Kazakhskoy SSR).

The Oxidation of Organic Compounds. XV. On the Oxidation of Ethyl Benzene in the Vapor-Phase State Over Tin Vanadate,

79-1-28/63

SUBMITTED:

ST.

December 3, 1956

AVAILABLE:

Library of Congress

Card 3/3

1. Chemistry 2. Organic compounds-Oxidation

MAHUKOVSRAYA, L. G.; SOLOMIN, A. V.; SUVOROV, B. V.; RAFIKOV, S. R.

Continuous method of production of terephthalic acid by the liquid phase oxidation of m-xylene. Neftekhimia 2 no.4:531-535 J1-Ag :62. (MIRA 15:10)

1. Kazakhskiy gosudarstvennyy seliskokhozyaystvennyy institut i Institut khimicheskikh nauk AN KazSSR, Alma-Ata.

(Terephthalic acid) (Xylene)

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Some characteristics of the Policies of Sectionary R (1) load election of management characteristics of management characteristics (1) and 10 meak no.2(30.33 16).

1. Institut radiofiziki i clusuronizi tibirakaga oldeleniya AN SBSP, Novembersk.

ACCESSION NR: AP4040015

S/0288/64/000/001/0085/0088

AUTHOR: Solomin, B. A.

TITLE: Mercury-screened helical delay lines

SOURCE: AN SSSR. Sib. otd. Izv. Seriya tekhnicheskikh nauk, no. 1, 1964, 85-88

TOPIC TAGS: delay line, helical delay line, mercury screened delay line

ABSTRACT: In order to improve the frequency-phase characteristics of a helical delay line, it was prepared from an insulated wire and completely immersed in mercury. Thus, the theoretical equivalent of a short high-attenuation line with a predominantly frequency-type distortion was obtained. The upper frequency limit of a mercury-screened line (with a tolerable frequency distortion) is tentatively put at 500-1,000 mc, which is 3-5 times as wide as a nonscreened-helical-line band. "Thanks are due to Doctor of Physico-Mathematical Sciences R. V. Gostrem for his attention to this project." Orig. art. has: 1 figure and

Card 1/2

ACC NR: AP7001220 SOURCE CODE: UR/0141/66/009/006/.227/1229

AUTHOR: Solomin, B. A.

ORG: Scientific-Research Institute of Radiophysics, Gor'kiy University

(Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete)

TITLE: Transformation of video-pulse spectrum in switched-parameter lines

SOURCE: IVUZ. Radiofizika, v. 9, no. 6, 1966, 1227-1229

TOPIC TAGS: parametric converter, switched parameter line Signal

Propugation

ABSTRACT: "Nonresonance" parametric transformation of video pulses (shortening pulse time, increasing pulse height) described in M. Otyka's (13th Symposium URSI, Holland, 1965) and H. Weinstein's (IEEE Trans., CT-12, 157, 1965) articles were experimentally verified by the author. In two distributedparameter lines, running capacitance or inductance was electronically (in

Card 1/2 UDC: 621.391.144

KRYUKOV, P.A.; SOLOMIN, G.A. - ANTENNATION OF THE PARTY OF T Hethod of measuring the oxidation-reduction potential of waters

(MIRA 12:9) and rocks. Gidrokhim.mat. 28:215-221 159.

1. Gidrokhimicheskiy institut Akademii nauk SSSR, g.Novocherkassk. (Oxidation-reduction reaction) (Water, Underground) (Potentiometric analysis)

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SOLOMIN, G.A.

1. Gidrokhimicheskiy institut Akademii nauk SSSR, g. Movocherkassk. (Electrodes, Platimum) (Pelarization (Electricity))

SOLOMIN, G.A. Nomogram for computing activity coefficients. Gidrokhim.mat. 28: (MIRA 12:9)

230-232 159.

1. Gidrokhimicheskiy institut Akademii nauk SSSR, g.Novocherkassk.
(Nomography (Mathematics)) (Water--Analysis)
(Ienization)

SOLOMIN, G. A. Cand Chem Sci — (diss) "Oxidation-Reduction State of Waters and Soils in the Region of Construction of the Stalingrad Hydro-electric Station," Novocherkassk, 1960, 16 pp, 200 copies (Hydrochemical Institute, AS USSR) (KL, 47/60, 98)

Method for fast voluminal determination of Fe\*\*\* Fe\*\* and Al \*\*\* in ferric and mixed coarulants. Vod. i san. tekh. no.1:16-17 (MIRA 14:9) Ja \*61. (Water--Purification)

KRYUKOV, P.A.; SOLOMIN, G.A.; GOREMYKIN, V.E.; TSYBA, N.P.; MANIKHIN, V.I.; LEBEDEVÀ, Ye.M.

Oxidation-reduction state of waters and rocks in the region of the construction site of Stalingrad Hydroelectric Power Station. Gidrokhim. mat.31:142-163 '61. (MIRA 14:3)

1. Gidrokhimicheskiy institut Akademii nauk SSSR, g. Novocherkassk.

(Stalingrad Hydroelectric Power Station Legion—Water, Underground)

(Oxidation-reduction reaction) (Geochemistry)

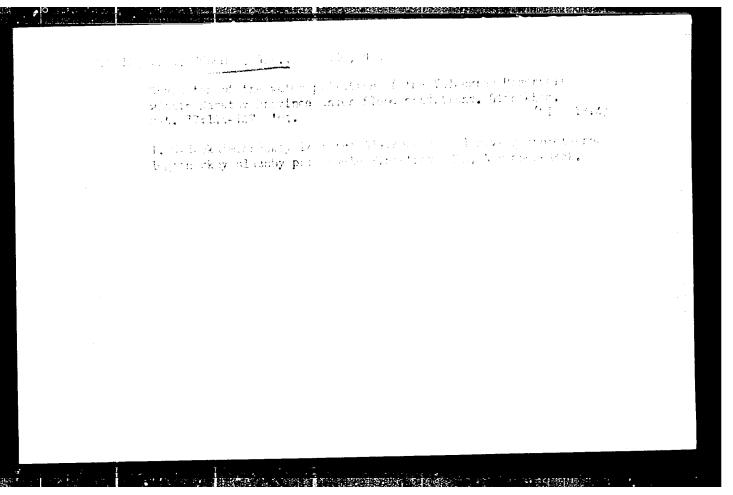
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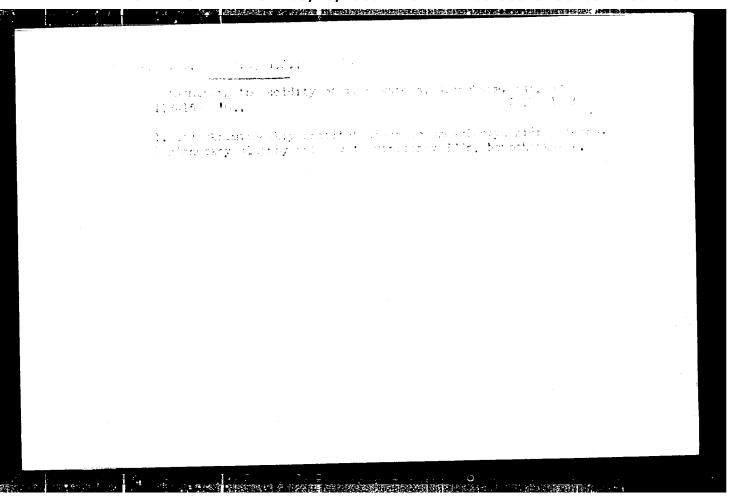
SOLOMIN, G.A.

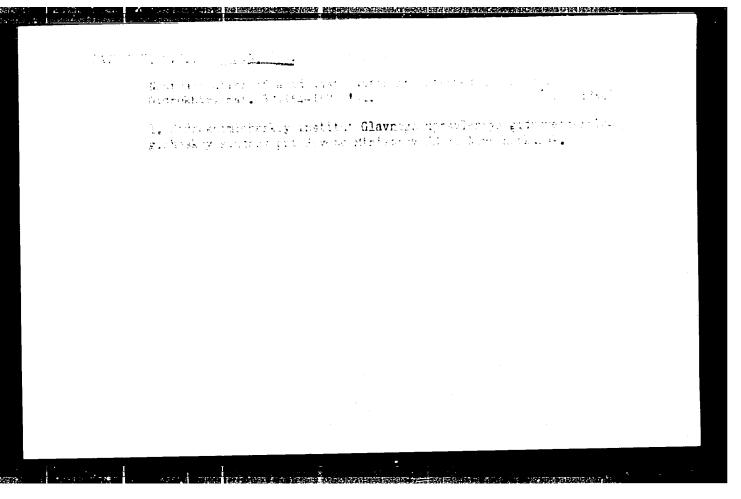
Apparatus for oxidation-reduction potential measurement in sedimentary rocks. Gidrokhim. mat. 31:209-210 '61. (MIRA 14:3)

1. Gidrokhimicheskiy institut Akademii nauk SSSR, g. Novocherkassk. (Rocks, Sedimentary—Analysis)(Oxidation-reduction reactions)

(Electrochemistry)







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otv. red.; DRAGUDOV, E.S., red.

[Lethods for determining the redox potential and plant of the correlation o

[Lethods for determining the redox potential and profised sedimentary rocks] K metodike opredeleniis okislitelino-vosstanovitelinogo potentsiala i pH osadochnykh porod. Moskva, Izd-vo "Nauka," 1964. 86 p. (MIRA 17:7)

STATES OF THE PROPERTY OF THE

SOLOMIN, G.I., aspirant

Materials for the maximum permissible concentration of dinyl in the air. Gig. i san. 26 no.5:3-8 My '61. (MIRA 15:4)

1. Iz kafedry kommunal'noy gigiyeny TSentral'nogo instituta usovershenstvovaniya vrachey. (AIR--POLLUTION) (PHENYL ETHER--PHYSIOLOGICAL EFFECT)

-	Hygienic eval	uation of dini	l as an air pol 146-164 '62.	llutant, Pred.dop (Mi	0. TA 15:9)
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11374-67 PWT(1) SCTB DD/GD SOURCE CODE: UR/0000/66/000/000/0066/00	<b>X68</b> ,
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AUTHOR: Bizin, Yu. P.; Gorban', G. M.; Zinov'yev, V. M.; Pilipyuk, Z. I.;  G. I.: Shirskaya, V. A.; Yablochkin, V. D.	7
AUTHOR: Bizin, Yu. P.; Gorban', G. M.; Zinov'yev, V. M.; Sidorov, K. K.; Solomin, G. I.; Shirskaya, V. A.; Yablochkin, V. D.	
ORG: none	
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Space Medicine held in Roscow Itom 24  SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy  SOURCE: Konferentsiya po problems of space medicine); materialy konferentsii,	
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Moscow, 1966, 66-68 TOPIC TAGS: toxicology, polymer degradation, central nervous system, liver, closed	•
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of Ane C was studied in a so-day offered	<u> </u>
Analysis of air from the chamber containing 80 laboratory animals showed the following: acrylonitrile, $2.8 \pm 1.7 \text{ mg/m}^3$ ; aldehydes, $0.02 \pm 0.01$ the following: acrylonitrile, $2.8 \pm 1.7 \text{ mg/m}^3$ ; acrone $1.07 \pm 0.6 \text{ mg/m}^3$ ; dibutylphtha-	
the following: acrylonitrile, 2.8 $\pm$ 1.7 mg/m; aldenydes, 0.02 $\pm$ 0.6 mg/m <sup>3</sup> ; dibutylphthamg/m <sup>3</sup> ; ammonia, 4.6 $\pm$ 1.3 mg/m <sup>3</sup> ; acetone 1.07 $\pm$ 0.6 mg/m <sup>3</sup> ; carbon monoxide,	<u> </u>
$mg/m^3$ ; ammonia, $4.6 \pm 1.3$ $mg/m^3$ ; acetone $1.07 \pm 0.6$ $mg/m^3$ ; carbon monoxide, late, $3.7 \pm 0.4$ $mg/m^3$ ; sulphur dioxide, $1.77 \pm 0.8$ $mg/m^3$ ; carbon monoxide,	
Cord 1/3	
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L 11374-67 19.1  $\pm$  1.3 mg/m<sup>3</sup>; hydrocarbons, 600  $\pm$  218 mg/m<sup>3</sup>; hydrogen chloride, ACC NR. AT6036499 2. 46  $\pm$  1. 2 mg/m<sup>3</sup>; epichlorhydrine, 0. 33  $\pm$  0. 08 mg/m<sup>3</sup>; ethyl acetate,  $1.61 \pm 0.6 \text{ mg/m}^3$ ; and ethylene glycol,  $0.7 \pm 0.4 \text{ mg/m}^3$ . Carbon dioxide content varied up to a maximum of 1%, oxygen content was 21%, and the relative humidity varied from 60 to 80%. Blood studies conducted on the animals included erythrocyte count, leukocyte count, reticulocyte count, and hemoglobin determinations, as well as duration of bleeding, rate of coagulation, prothrombin time, thrombocyte count, and blood viscosity. Ability to synthesize hippuric from benzoic acid was taken as an index of the functional state of the liver. In addition, observations were made of behavior and general conditions of the animals, dynamics of weight changes, tolerance to physical stress, and oxygen requirement. Relative weights of internal organs were determined. The experimental animals were observed preceding, during, and for 14 days after the experiment. Prolonged continuous exposure of the animals to the chemical substances liberated by the polymers produced nonspecific functional shifts.

L 11374-67 ACC NR: AT6036499

CNS effects included subcortical irritation and weakening of cortical subordination function. This resulted in intersection of extensor and flexor motor in chronaxy curves, lowered susceptibility to brain stem hexanol narcosis, and increased tolerance to physical stress.

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Peripheral blood studies showed increased erythrocyte, hemoglobin, and thrombocyte counts.

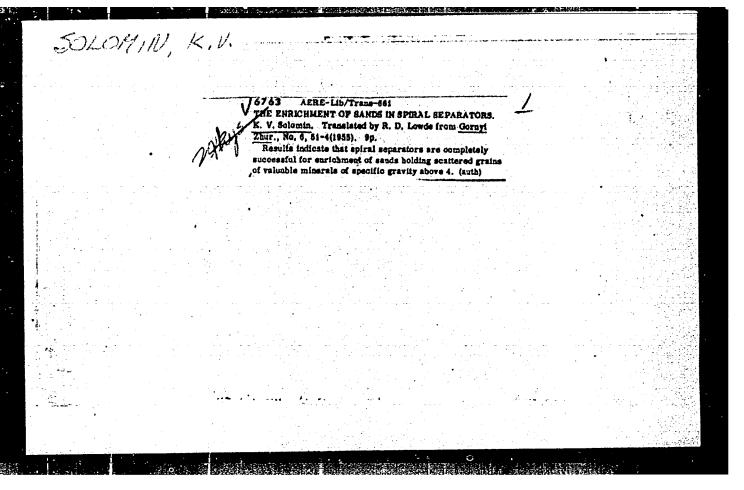
These CNS and peripheral blood shifts were unstable and nonspecific, and should be regarded as an adaptation reaction of the organism to the presence of gases released by polymer materials. This interpretation is supported by full restoration of the altered functions and indices to the initial state within 14 days after the end of the experiment.

It is concluded that the investigated polymers can be used in space cabins so long as the gases they liberate are scrubbed from the cabin air before they attain the maximum permissible concentration for small closed compartments. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBN DATE: COMAy66

Cond 3/3

Spiral separators. TSvet.met.27 no.3:12-16 My-Je '54. (MIRA 10:10)
(Ore dressing)



SOLOMIN. E.V., kandidat tekhnicheskikh nauk; CHUGUNOV, A.D., gornyy
inshener

Jigging machine and concentration table operation on the dredge.
Gor. shur. no.9:42-46 S '55.

(Ore dressing)

SOLOMIN, Konstantin Vasil'yevich; TROITSKIY, A.V., retsenzent; VERIGO, K.H., redaktor; YEZDOKOVA, M.L., redaktor izdatel'stva; KARASEV, A.I., tekhnicheskiy redaktor

[Spiral concentrators] Vintovye separatory. Moskva, Gos. nauchnotekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956.

103 p. (MLRA 9:10)

(Separators (Machines)) (Ore dressing)

SOLOMIN, K.V., kandidat tekhnicheskikh nauk.

Use of ore concentrator-classifiers in hydraulic placer mining.
TSvet.met.29 no.1:30-34 Ja \*56. (MIRA 9:6)
(Hydraulic mining) (Ore dressing)

#### CIA-RDP86-00513R001652220012-0 "APPROVED FOR RELEASE: 08/25/2000

1020/11/12 , E.C.

137-1958-1-101

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 16 (USSR)

AUTHOR: Solomin, K. V.

Investigation of Placer Sands for the Purpose of Evolving a Technology TITLE:

for Concentration (Issledovaniye peskov rossypey dlya razrabotki

tekhnologii obogashcheniya)

PERIODICAL: Kolyma, 1957, Nr 4, pp 20-23

ABSTRACT:

A method of investigating placer sands (S) is described in detail. The investigations should follow the following procedure: study of the composition of the S and the type of ore; study of the susceptibility of the S to milling; formulation of efficient sand milling technology; development of optimal conditions for the operational cycle of the milling equipment. Engineering investigations of the S should begin during the preliminary prospecting. The decisive factors in the milling of sands are: the susceptibility of S to washing, their grain size, shape and the degree to which they have been rounded, as well as the shape and grain size of the ore particles, their specific gravity, and coefficient of friction, the susceptibility of the Au and Pt to

amalgamation, their magnetic susceptibility and electrical Card 1/2

137-1958-1-101

Investigation of Placer Sands (cont.)

conductivity, the composition of the minerals in the heavy fraction, and the quantity thereof in the S. Study of the composition of the sands and of their susceptibility to milling should be performed in the milling laboratories of geological prospecting expeditions. The detailed engineering investigations should be performed in scientific research institutes.

A. Sh.

1. Mining Engineering—USSR 2. Ores—Analysis 3. Mines-Eveluation

Card 2/2

CIA-RDP86-00513R001652220012-0" APPROVED FOR RELEASE: 08/25/2000

SOLOMIN, K.V., kand.tekhn.nauk

SVM-1200 industrial screw separator. Gor.shur. no.8:
62-63 Ag 160. (MIRA 13:8)

1. Irgiredmet, Irkutsk.
(Separators(Machines)) (Ore dressing)

SOLDHIN, Konstantin Vasil'yevich; MELIK-Stepanova, A.G., otv. red.; ROMANOVA, L.A., red. izd-va; SABITOV, A., tekhn. red.

[Processing mineral placer deposits] Obogashchenie peskov rossypnykh mestorozhdenit poleznykh iskipaemykh. Moskva, Gos. nauchno-tekhm. izd-vo lit-ry po gornomu delu, 1961. 398 p. (MIRA 14:11) (Hydraulic mining) (Ore dressing)

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SINYANSKIY, V.I.; SOLOMIN, L.Ye.; IONESKU, P.D. [Ionescu, P.D.]

Life of forsterite refractories in forge furnace hearths. Ogneupory 22 no.12:568-571 '57. (MIRA 12:3)

1. Nauchno-issledovatel'skiy metallurgicheskiy institut v Bukhareste (for Sinyanskiy, Solomon). 2. Metallurgicheskiy zavod im. 23-go avgusta Rumynskaya Narodnaya Respublika (for Ionesku).

(Rumania--Forging) (Refractory materials)

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MATS, A.S., podpolkovnik meditsinskoy sluzhby; SOLOMIN, N.N., podpolkovnik meditsinskoy sluzhby

Some observations in anicteric leptospirosis. Voen.-med.shur. no.61 (NINA 9:9)

(LEPTOSPIROSIS)

UGRYUMOV, B.L., polkovnik meditsinskoy sluzhby: SOLOMIN, N.K., podpolkovnik meditsinskoy sluzhby

Clinical and epidemiological characteristic of a natural reservoir with two infections, Voon.-med. zhur. no.4:54-59 Ap '56. (MIRA 9:9)

(MPIDMMIOLOGY) (KIDNEYS--DISEASES)

(MICKPHALITIS)

SOLOMIN. N.H., podpolkovník moditsinskoy sluzhby

Rtiology and epidemiology of infections nephroseonephritis in the cis-Ural region. Voen. med. zhur. no. 7:40-43 J1 '57. (NIRA 11:1) (RPIDENIC HEMORRHAGIC FEVER epidemiol. & etiol. (Rus))

Some aspects of the dysentery problem in the light of the variability of the causative agents. Zhur.mikrobiol.spid. i immun. 29 no.2:118-119 F 158.

(SHIGELLA DYSENTERIAE, variability (Rus)

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"Possible Vectors of Diseases with Natural Reservoirs in the Urals."

Tenth Conference on Parsitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Sverdlovsk

GOLOMIN, N. B., BELYAYEV, P. A., BELMINOV, V. M., BURGANSKIY, B. HH., KAPLINSKIY, K. B., MATS, A. S.

"Epidemiological characteristics of diseases with Natural Foci in the Ural Mountains." p. 21

Desystoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1989), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

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Characteristics of the etiological structure of current forms of dysentery and their significance in the epidemiology and laboratory diagnosis; author's abstract. Zhur.mikrobiol.,epid.i immun. 30 no.12:111 D '59. (MIRA 13:5)

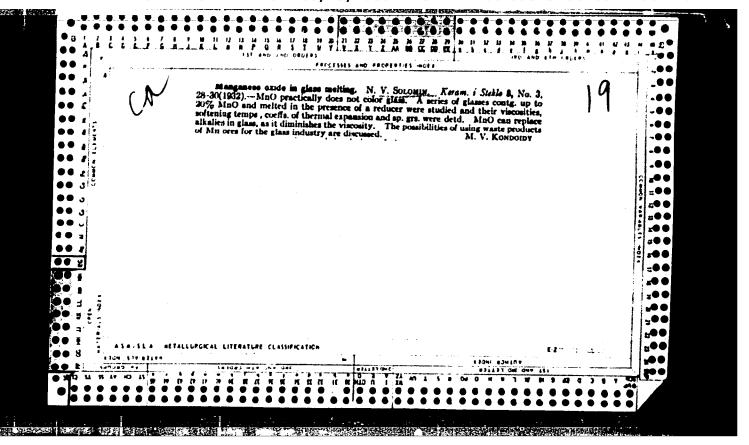
SOLOMIN, N.N.; PIONTKOVSKAYA, S.P.

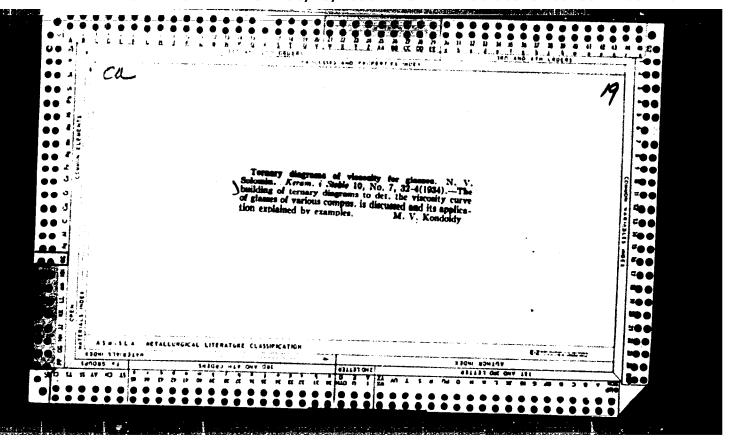
Ectoparasites of rodents from a focus of hemorrhagic fever in the western part of the Ural Mountain region. Zool. zhur. 39 no.5:678-682 My '60. (MIRA 13:10)

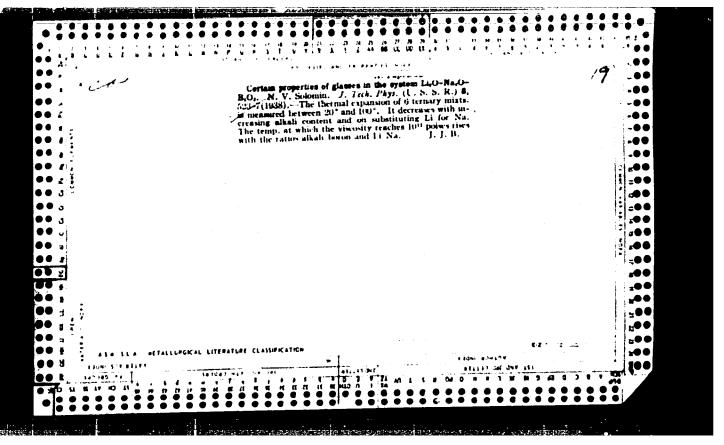
l. Sanitary-Epidemiological Detachment, and the Department of Infections of Natural Nidality. Institute of Epidemiology and Microbiology, U.S.S.R. Academy of Medical Sciences, Moscow.

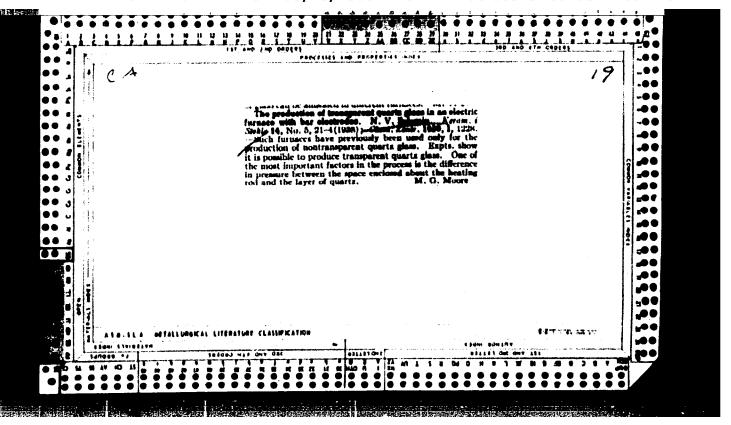
(Kizner District-Redents as carriers of diseases)

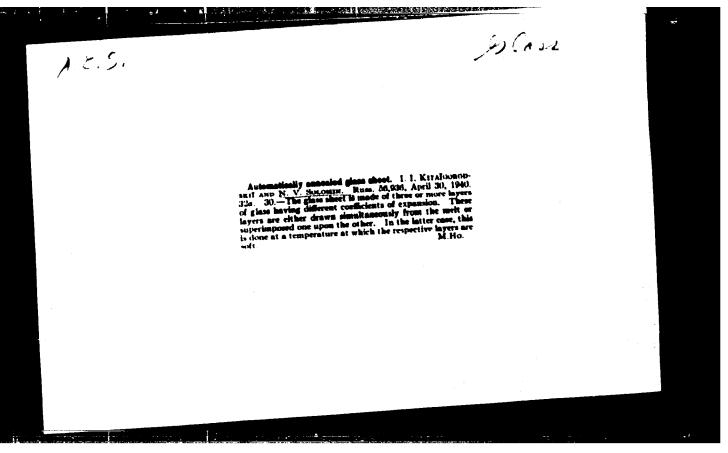
(Parasites--Rodents)

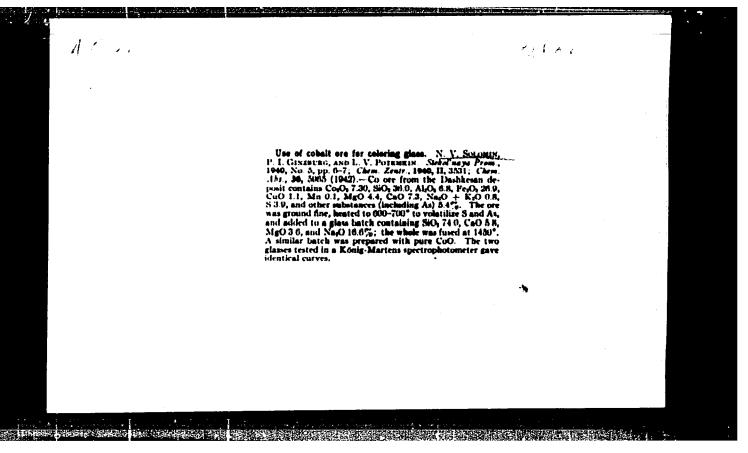












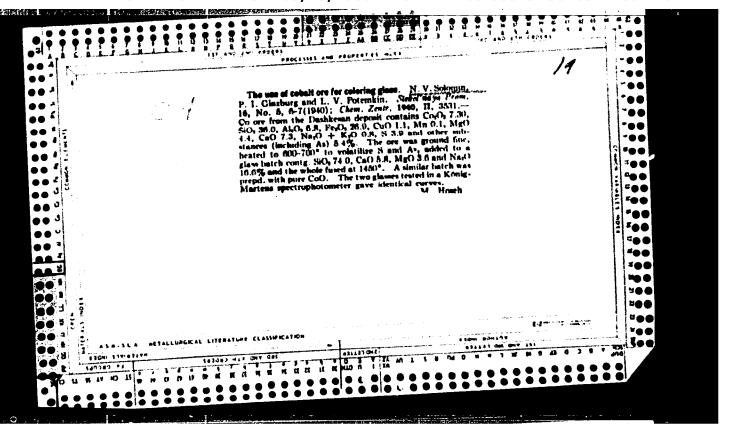
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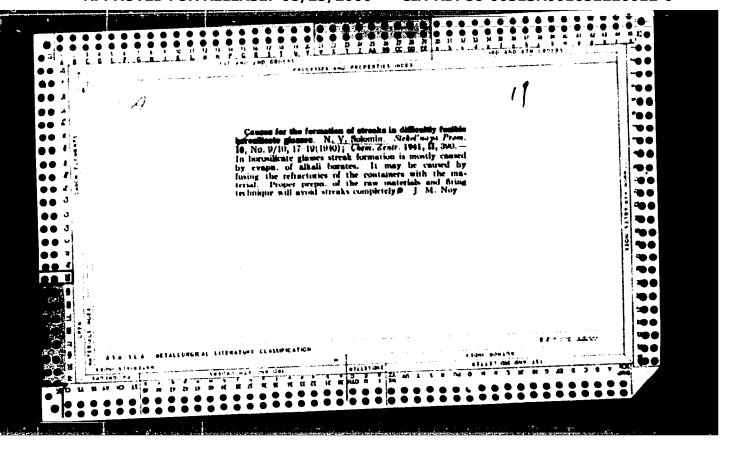
SOLOMIN, N.V.

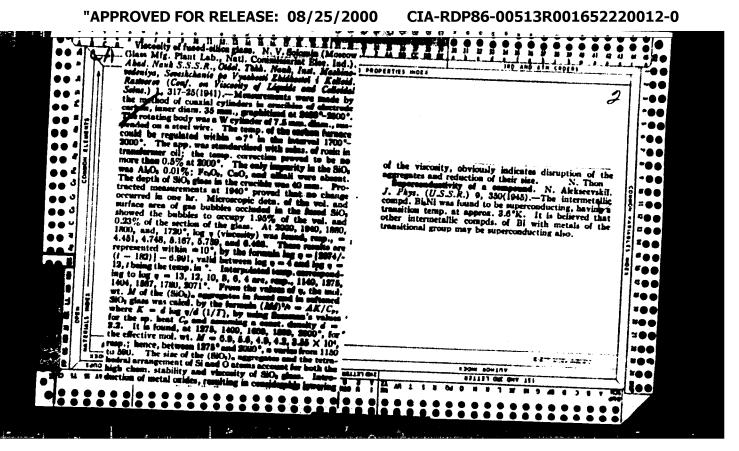
Laboratory of the Moscow Glass Works, People's Commissariat of Electric Power Plants and Electrical Industry, (1939)

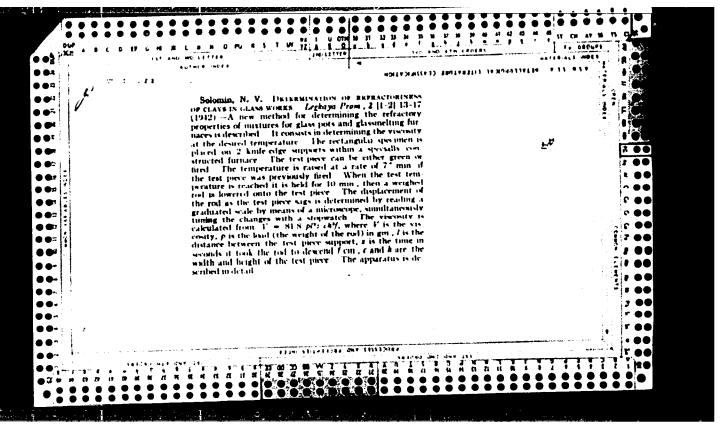
"The Viscosity and Structure of Molten Quartz Glass."

Zhur. Fiz. Khim., Vo. 14, No.2, 1940.

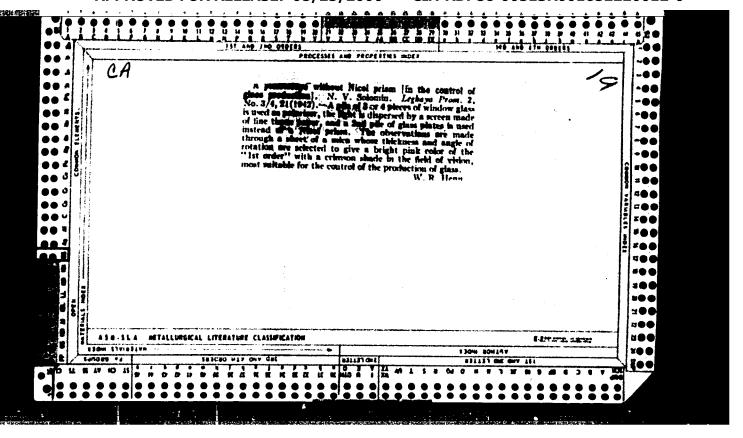


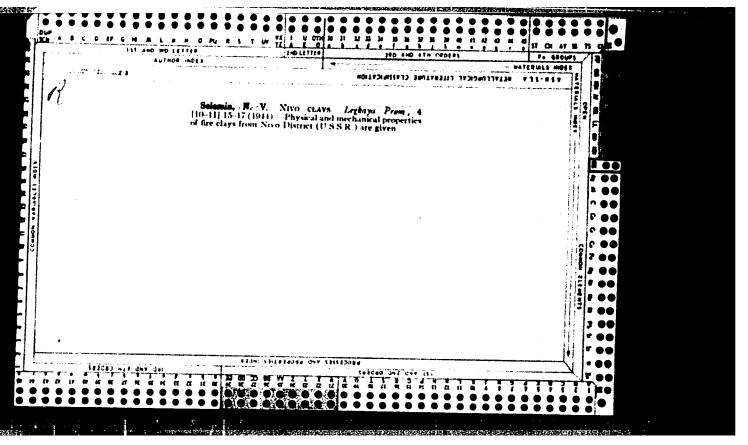


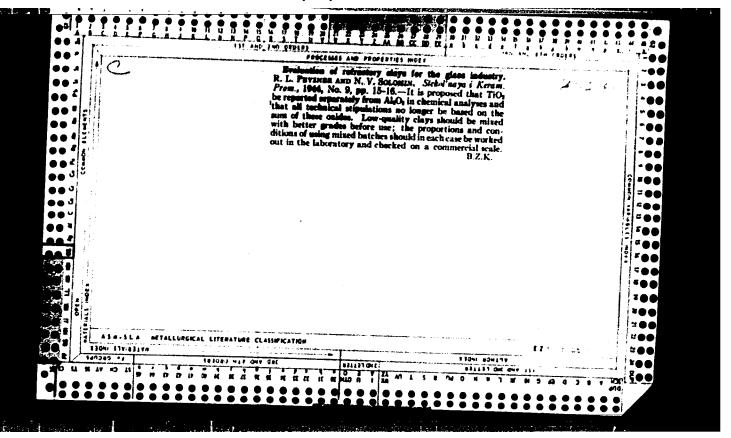


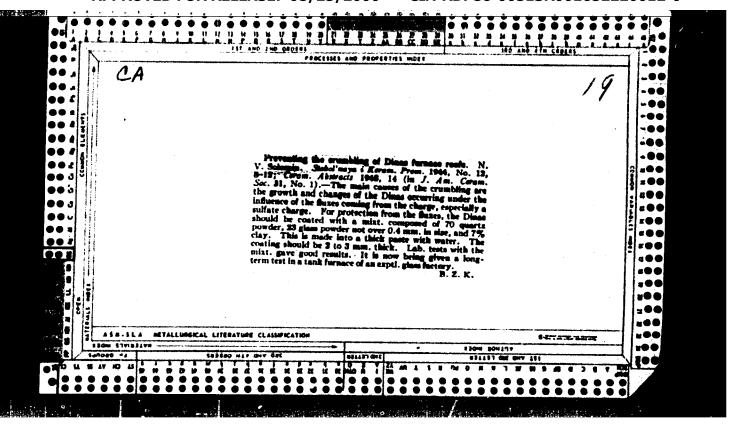


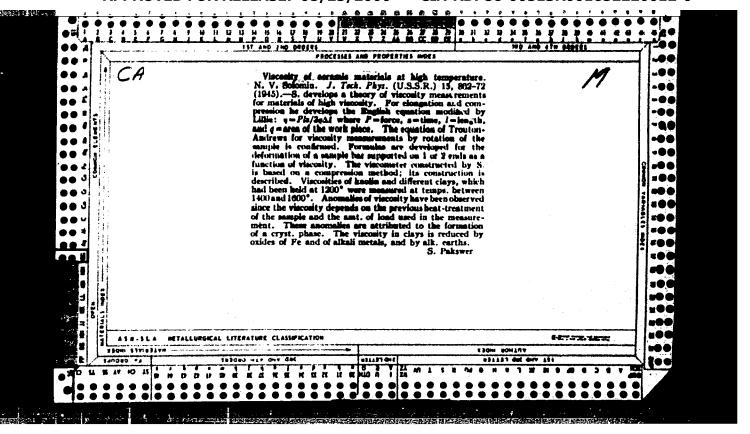
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SOLOMIN, N. V.

"High-Temperature Investigation of Ceramic Raw Materials and Refractories for the Glass Industry." Sub 15 Oct 47, All-Union Sci Res Inst of Mineral Raw Materials

Dissertations presented for degrees in science and engineering in Hoscow in 1947

SO: Sum No. 457, 18 Apr 55